SIEMENS

en **Operating Instructions**   **RCR100FPRF**
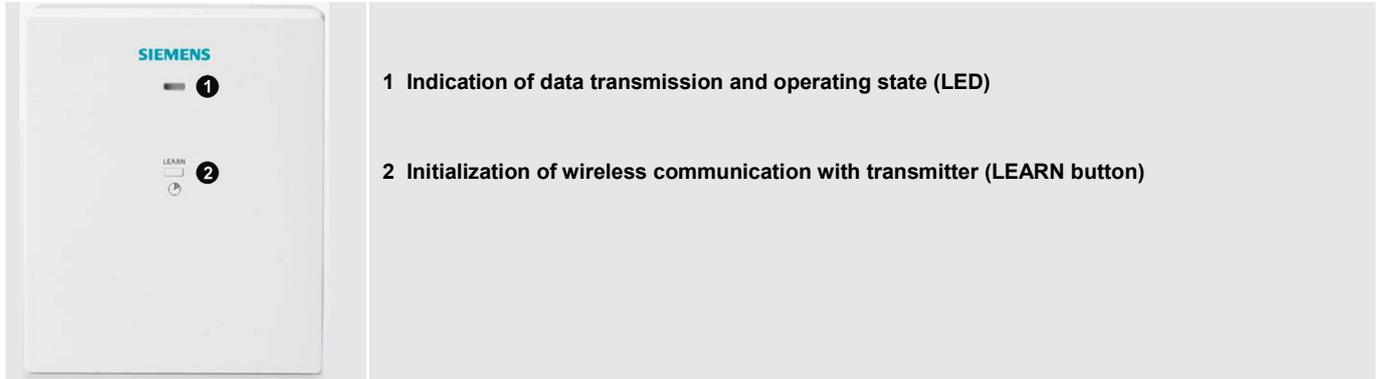
The RCR100FPRF is a wireless "Fil Pilote" receiver which works in connection with the RDE100.1FPRF programmer for 3 "Fil Pilote" zones.

1 Indication of data transmission and operating state (LED)

2 Initialization of wireless communication with transmitter (LEARN button)

Do you want to pair transmitter and receiver?

| **+** **−** **Learn Mode** | Procedure to configure wireless transmission:
The RDE100.1FPRF communicates with the RCR100FPRF at a frequency of 433 MHz.
Please ensure that you have RDE100.1FPRF transmitters on hand and refer to the instructions that come with the product.
To pair transmitter and receiver(s), proceed as follows:

RCR100FPRF receiver(s) setting:
1) Press and hold the **LEARN** button on the RCR100FPRF for at least 3 seconds and then release it.
2) The red and green LEDs flash alternately to indicate that the RCR100FPRF is in learning mode.

If you have several receiver(s) in the same zone:
Put all receivers of the respective zone in learning mode and repeat steps 1 to 2 on each receiver.
Note: All receivers of a zone must be paired at the same time!

RDE100.1FPRF transmitter setting:
3) On the transmitter, press **+** or **−** to select the zone that you wish to do the learning.
4) Enter the parameter settings (refer to section "Do you want to change parameters?").
5) Proceed to parameter P20. Press **Ok** and parameter P20=0 (OFF) flashes. Adjust the value by pressing **+** to change to P20=1 (ON), and then press **Ok** to confirm.
6) During wireless learning, the LCD displays "rF" and "Lrn". Wait for time out, and the transmitter exits the parameter settings.

Successful wireless learning:
7) The green LED on the RCR100FPRF flashes for 10 minutes to indicate that it has successfully completed wireless learning.

If you want to pair other receiver(s) for another zone:
8) Repeat steps 1 to 7 and select a new zone on the transmitter in step 3.

Recommendation:
9) *Additional test to ensure the wireless signal is fine:*
On the RDE100.1FPRF, select the respective zone and change the operating mode by pressing **Mode**.
On the RCR100FPRF, the green LED should flash for 3 seconds before changing to constantly green.
At the same time, observe your radiator, boiler or heater indication (if it has one) that it has changed the operating mode.
10) If step 7 or 9 is working fine, the units have been succesfully paired.

Unsuccessful wireless learning:
11) If the RCR100FPRF fails to receive wireless data, the red LED starts to flash **.
12) Repeat steps 1 to 7 until pairing is successful.

Note:
Always start the receiver's learning before starting pairing with the transmitter.
The units must be placed such that transmitter and received signals have limited external wireless interference.
**In normal operation, if a drop in wireless communication occurs due to unforseeable noise, just leave the receiver and it will recover automatically
The pairs are saved even if there is a power shut down. Communication restarts automatically after several minutes without any action by the user. |

Receiver's LED indication

State of receiver	State of LED
Power up (or reset)	The red and green LEDs flash alternately for 5 seconds, and then change to constantly red. Note: If the receiver was programmed before, it will immediately change to constantly red.
Learning mode	The red and green LEDs flash alternately.
Successful learning mode	If RCR100FPRF learning was successful, the green LED will flash for 10 minutes.
Signal ok and output status change	The green LED is lit. If the output state changes, the green LED flashes for 3 seconds and then changes back to constantly green.
Fail to receive wireless data	If the RCR100FPRF fails to receive wireless data, the red LED will start to flash after 125 minutes. If the RCR100FPRF signal is recovered, it will resume the previous LED state.